

Attorney Docket No. 57761.000124

GE Docket No. 03GP-8028

Application Serial No. 09/722,049

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CLAIM AMENDMENTS

Please enter the following amendments to the claims, which are presented in accordance with 37 C.F.R. §1.121.

WHAT IS CLAIMED IS:

1. **(Original)** An interface card for interfacing a drive to a LAN without modifying a main control card of the drive, the interface card comprising:
 - a dual port memory interface to the main control card of the drive for receiving feedbacks and transmitting setpoints;
 - an ASIC for generating an interrupt signal;
 - an interrupt line that transmits the interrupt signal and informs a communication processor connected on the main control card to update the feedbacks in the dual port memory and read the setpoints from the dual port memory; and
 - control registers for interfacing the communication processor to the LAN.
2. **(Previously presented)** The interface card of claim 1, wherein the ASIC is a controller for interfacing with firmware in the communication processor in order to pass data between a main processor and the interface card.
3. **(Original)** The interface card of claim 1, further comprising a stab terminal for a ground connection.
4. **(Original)** The interface card of claim 1, further comprising a LNPI connector for connecting the interface card with the main control card of the drive.
5. **(Original)** The interface card of claim 1, further comprising a 2PL connector for transmitting power to the interface card.

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6. (Canceled)
7. (Original) The interface card of claim 1, wherein the LAN is an ISBus LAN.
8. (Original) An interface card for interfacing a drive to a LAN, the interface card comprising:
 - a dual port random access memory having control registers;
 - an ASIC connected with the dual port random access memory;
 - bus driving components for connecting the ASIC with the LAN;
 - an interrupt line for transmitting communication between a communication processor on a main control card of the drive, the ASIC, and the dual port random access memory.
9. (Previously presented) The interface card of claim 8, wherein the ASIC is a controller for interfacing with firmware in the communication processor in order to pass data between a main processor and the interface card.
10. (Original) The interface card of claim 8, further comprising a stab terminal for a ground connection.
11. (Original) The interface card of claim 8, further comprising a LNPL connector for connecting the interface card with the main control card of the drive.
12. (Original) The interface card of claim 8, further comprising a 2PL connector for transmitting power to the interface card.
13. (Canceled)
14. (Original) The interface card of claim 8, wherein the LAN is an ISBus LAN.

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15. **(Previously presented)** A method for interfacing a drive to a LAN without modifying a main control card of the drive, the main control card including a communications processor and a main processor, the method comprising the steps of:

triggering an interrupt to notify the communications processor on the main control card to update the feedbacks in the dual port memory and read the setpoints from a dual port memory;

transmitting setpoints from the dual port memory interface to the main processor on the main control card;

transmitting feedback from the main processor on the main control card to the dual port memory interface; and

interfacing the communications processor with the LAN with control registers.

16. **(Currently amended)** The method of claim 15, further comprising the step of performing a page swap in the dual port memory after updating the feedbacks in the dual port memory.

17. **(Currently amended)** The method of claim 16, further comprising the step of storing the transmitted set points in a communication processor external RAM inactive page.

18. **(Currently amended)** The method of claim 17, further comprising the step of performing an external RAM page swap.

19. **(Original)** A method for interfacing a drive to a LAN, the drive having a main control card including a communication processor and a main processor, the method comprising the steps of:

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providing an interface card having an ASIC, a dual port memory and an interrupt line for transmitting an interrupt signal generated by the ASIC over the interrupt line to the communications processor;

updating feedbacks in an inactive page of the dual port memory;

swapping the inactive page with an active page;

reading setpoints from the inactive page after swapping;

loading setpoints into an external RAM of the communication processor;

performing a page swap on the external RAM of the communication processor; and

transmitting setpoints from the active page of the communication processor external RAM to the main processor.
